AF Logistics Transformation

Mark D. Johnson
Deputy Director of Maintenance
AF/A4M

Overview

- Integrated Life Cycle Management (ILCM)
- Global Logistics Support Center (GLSC)
- Repair Network Transformation (RNT)
- Wing Reorganization
- AFSO 21
- Way Forward

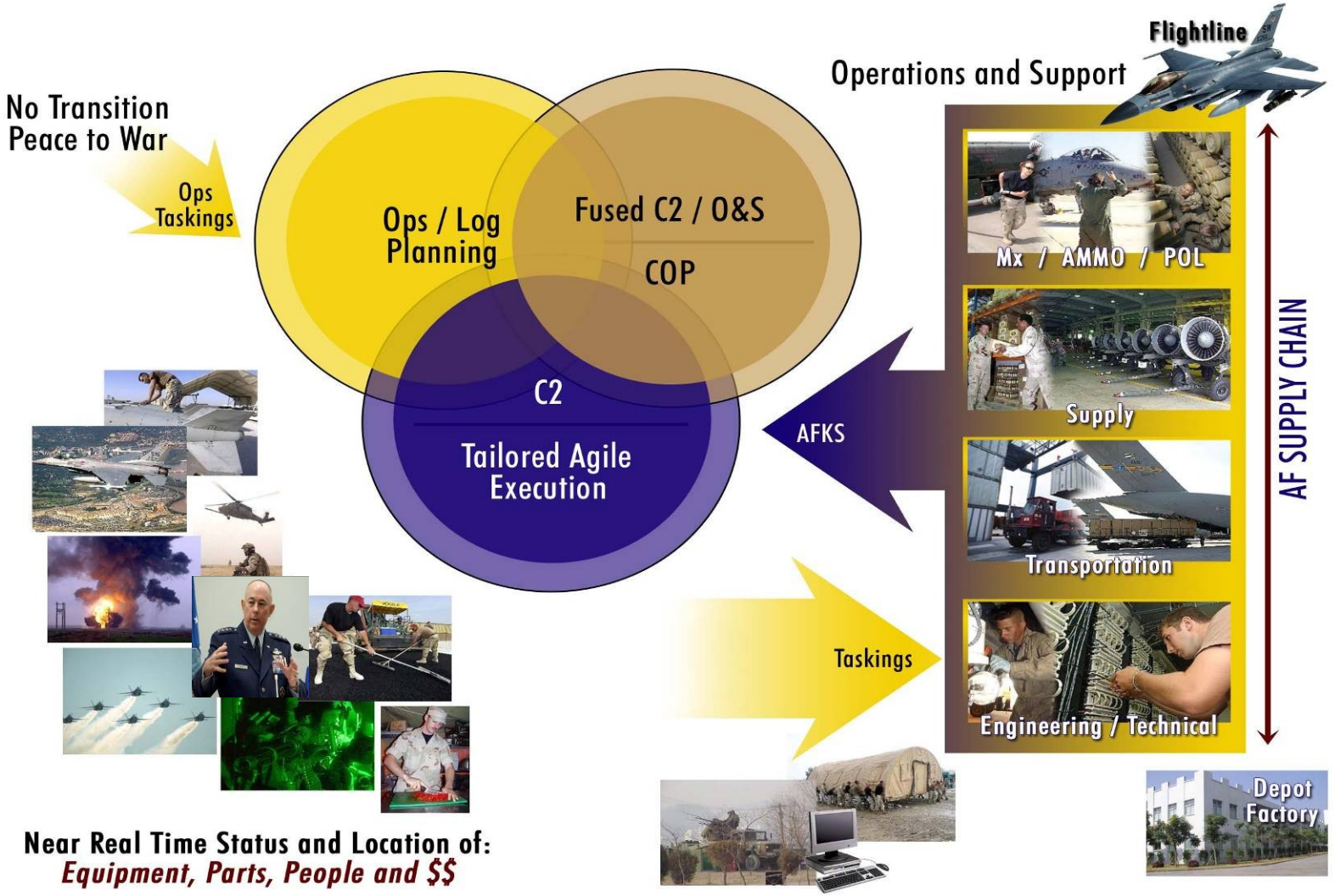
Integrated Life Cycle Management (ILCM) Enterprise

- 6 Jun 07 SECAF letter Codifying Roles ILCM
- Seamless Governance, Transparency, Integration
- ILCM Executive Forum
  - 4 Star Membership Across Air Force Acquisition and Sustainment Communities
  - Visibility of Acquisition and Sustainment Decisions
  - Eliminates Stove-piped forums

Integrated Life Cycle Management (ILCM) Enterprise

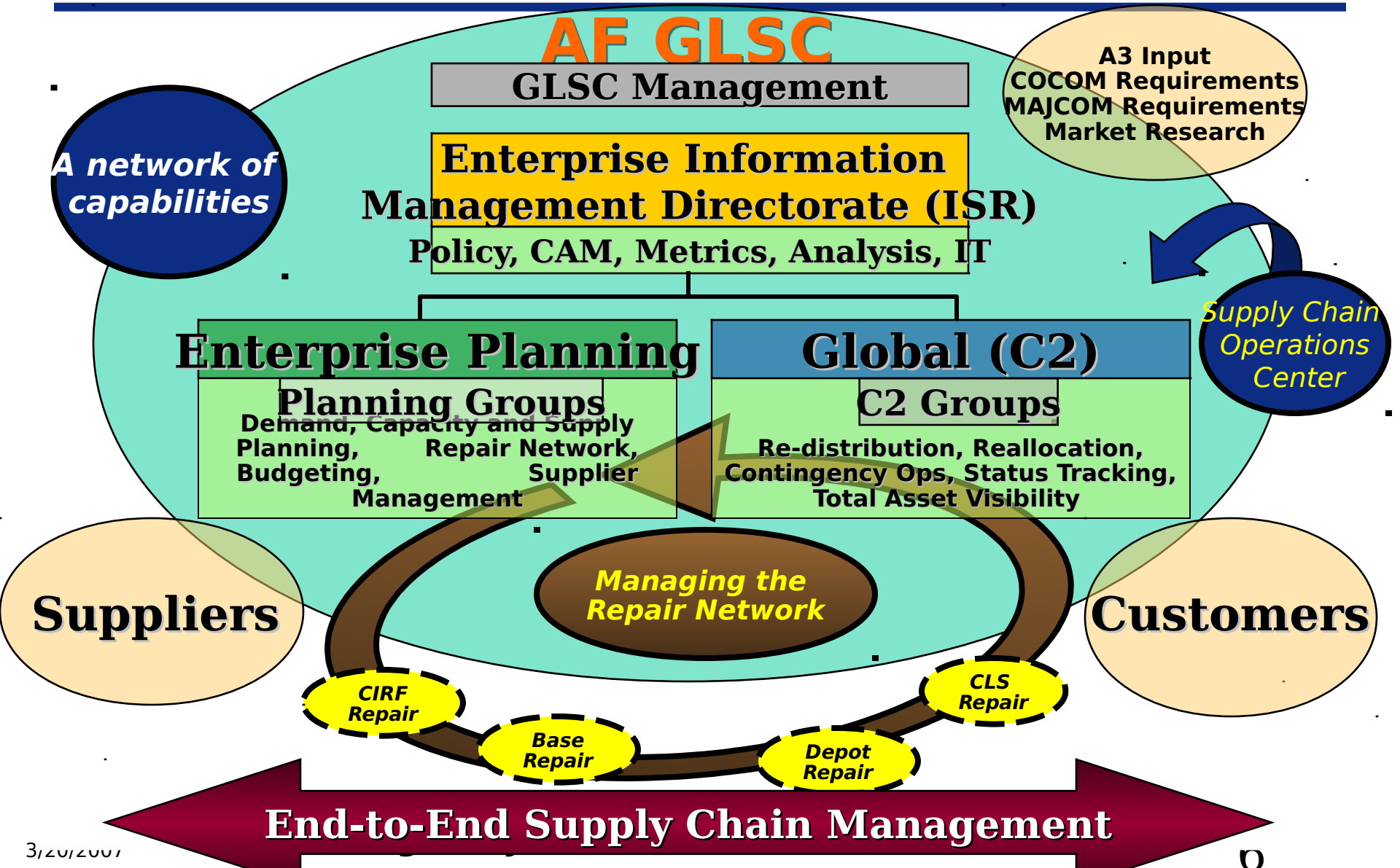
- **ILCM Oversight (Enterprise View)**
  - **Strategic Source Of Repair (SSOR)**
  - **Strategic Core Determinations**
  - **Depot Source of Repair Decisions (DSOR)**
  - **50/50**
  - **Core**
  - **Developing Enterprise Product Support Decision Tool**
    - **Appropriate Blend of public-private product support competencies**

AF Future Logistics Concept



Synchronized to Match AEF Battle Rhythm

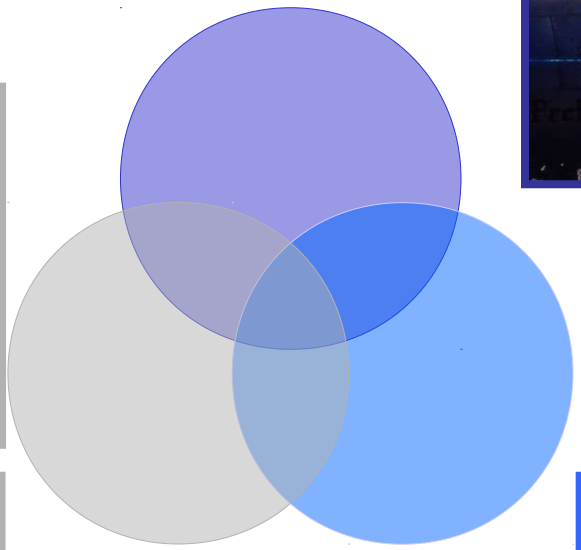
Global Logistics Support Center (GLSC)



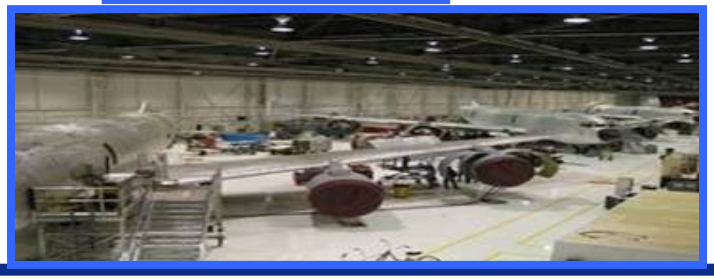
The Way Maintenance Structure Has Been Since 1953

ORGANIZATIONAL LEVEL

INTERMEDIATE LEVEL



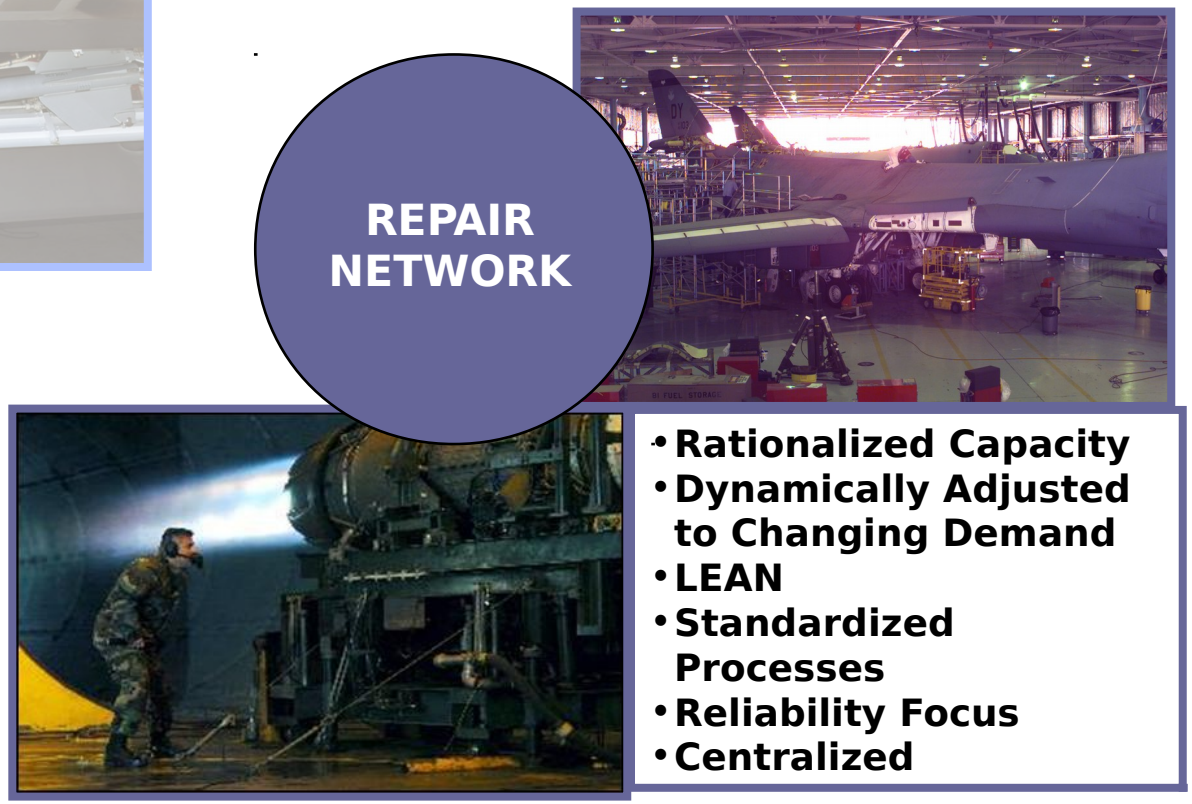
DEPOT LEVEL



Characteristics Of Future Maintenance State

MISSION GENERATION

- Expeditionary
- LEAN
- Minimal off-a/c maintenance footprint



REPAIR NETWORK

- Rationalized Capacity
- Dynamically Adjusted to Changing Demand
- LEAN
- Standardized Processes
- Reliability Focus
- Centralized

Historically Distanced Flight line from Enterprise Level Management

Enterprise Level Management

MAJCOMS

I-Level

Flight Line

Historically Distanced Flight line from Enterprise Level Management

Repair Network

Enterprise Level Management

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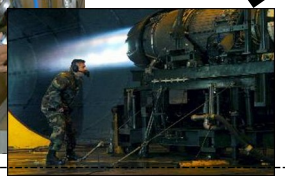


Flight Line

Repair Network
Enterprise Level Management

Flight Line

There is a more efficient way

Future State Aligned With AF Key Processes

Repair Network
Enterprise Level Management

Flight Line

Repair Network Vision

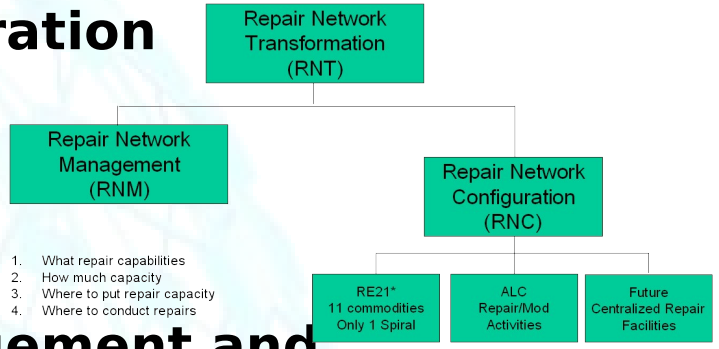
An Enterprise Level Network of Repair Centers

- **Rationalized Capacity**
- **Standardized work**
- **Lower total system costs**

Managed, Controlled and Harnessed for Enterprise Level Priorities

Repair Network Transformation Initiative

- **Repair Network Configuration (RNC)**
  - **Set the initial size, layout and capabilities of the network**
  - **Determine what maintenance is "network" and what becomes Mission Generation**
  - **Ends when Network is FOC**


Repair Network Transformation (RNT)
Repair Network Management (RNM)
Repair Network Configuration (RNC)
1. What repair capabilities
2. How much capacity
3. Where to put repair capacity
4. Where to conduct repairs
RE21* 11 commodities Only 1 Spiral
ALC Repair/Mod Activities
Future Centralized Repair Facilities

- **Repair Network Management (RNM)**
  - **Develop the processes for management and control**
  - **Assume control of the network created by RNC**
  - **Establish an enduring set of processes to manage and optimize network**

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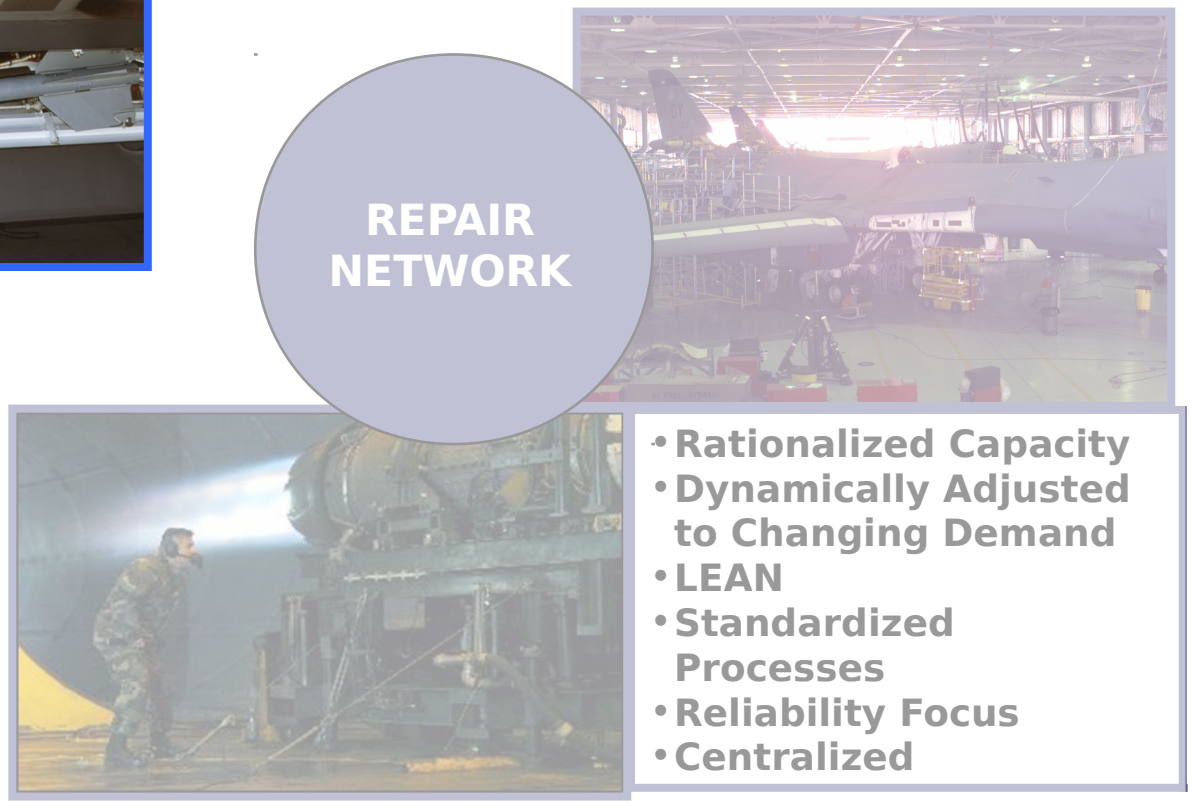


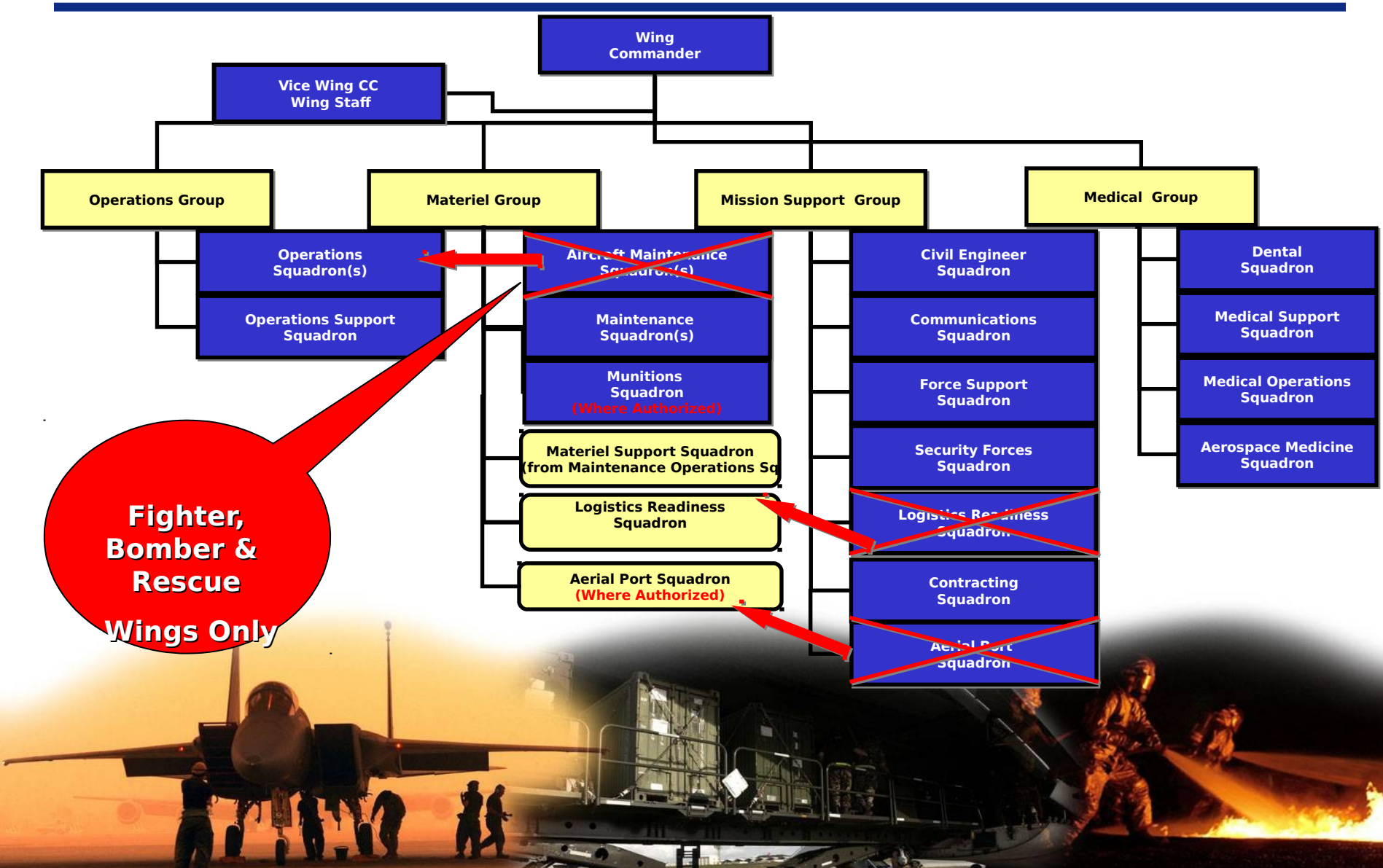
REPAIR NETWORK

- **Rationalized Capacity**
- **Dynamically Adjusted to Changing Demand**
- **LEAN**
- **Standardized Processes**
- **Reliability Focus**
- **Centralized**

CSAF Vision—Wing Reorganization

- **Organize, train, and equip Airmen to deliver decisive global effects**
  - **Structure AF units by mission rather than function**
  - **Establish consistent organizational structure at home/deployed--on day one**
  - **Provide leadership opportunities for officers who command Expeditionary Operations**
- **Streamline Mission Generation and its Command Chain**
- **Align traditional logistics functions under one commander**
- **Create scalable & modular packages easily presentable to combatant commanders**
- **Position the logistics community for future transformation**

Wing Structure



AFSO21 Program Objectives

- Increase Productivity of our most valued asset – People
- Significant increase critical equipment availability rates
- Improve response time and agility
- Sustain safe and reliable operations
- Improve energy efficiency

Establish a Resilient CPI Foundation

AFSO21 is about combat capability –
Relentlessly Strengthening the Air For

Continuous Process Improvement
Air Logistics Center Successes

- **Hill AFB: Structural Repair Squadron**
  - A-10 wing, F-16 wing, F-16 stabilizer improvements
  - Average flow day reduction of 39%
  - Over $2M cost avoidance for rework and overtime
  - On-time delivery increased to 100% (A-10) and 98% (F-16)

- **Robins AFB: F-15 Wing Shop**
  - Reduced flow days from 52 to 35
  - On-time delivery remains 100% (since 2003)
  - Relocated 107 employees to other workloads

- **Tinker AFB: B-1 Critical Chain Project Management (CCPM)**
  - Implemented to reduce flow days and improve B-1 aircraft availability
  - PDM flow days for the B-1 being reduced by 15 to 18% (30 days)
  - Increased greater aircraft availability for the AC6 B-1 warfighter

Increased Aircraft Availability Extended

Continuous Process Improvement
Field Level Successes

- **McChord AFB (Tools on the Aircraft Line – TOTAL)**
  - **Increases the velocity of generating aircraft**
  - **Interactive tool trailer revolutionizes tool checkout (drastically reduces time)**
  - **Trailer holds nearly 80 percent of all the tools needed for maintenance tasks**
  - **Eliminates time checking out tools**

- **Little Rock Air Force Base (Engine Regional Repair Center - ERRC)**
  - **Standardizes and integrates Engine Regional Repair Center (ERRC), Retained Task Center (RTC), and propeller repair into one operation**
  - **Cut production time from average of 17 days down to consistent 12-day output**
  - **T56 builds are to highest standards in the AF; validated by Standard Aero, ERRC Average Time on Wing (ATOW) averaged 2800 flt hours vs. 2000 flt hrs at other facilities**

- **Dover AFB (Regionalized C-5 ISO Inspections)**
  - **Availability days of C-5s throughout the Air Force is increased by 900 a year, or approximately 2.5 more C-5s available to carry cargo every day**
  - **Reduced ISO inspection process from approximately 38 days to 14**

Way Forward

- **Enterprise Focus:**
  - **Acquisition and Sustainment Decisions**
  - **Supply Chain Management**
  - **Repair Network**
  - **Mission Generation**
- **Continuous Process Improvement is the Enabler**